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Fall 2015

CSCI 5401

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University of New Orleans

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THE UNIVERSITY of
NEW ORLEANS

DEPARTMENT OF COMPUTER SCIENCE

Syllabus, Fall 2015

CSCI 5401: Principles of Operating Systems I

Time: Monday & Wednesday 6:00pm – 7:15pm

Place: Math-121

Prof: Md Tamjidul HOQUE

My Info: Email ➤ thoque@uno.edu

Office Hours ➤ Mon: 7:15pm-8:15pm, in Math 333.
Tu., Th: 1:45pm-2:45pm, in Math 333.
Wed: 10am-12noon, 7:15pm-8:15pm, Math 333.

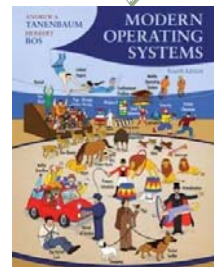
Prereqs: CSCI 2467 (System Programming Concepts) with a grade of C or better or consent of department

Textbook: Modern Operating Systems (4rd Edition) by Tanenbaum & Bos

Mark Distribution:

Homework Assignments (2)	x 11% →	22%
Class Test (3)	x 11% →	33%
<i>Best 4 out of 5 HW/CT</i>	x 11% →	44%
Programming Assignments (2)	x 11% →	22%
Final Examination	→	29%
Attendance:	→	5%

%5: [90-100%], 4%: [85-90), 3%: [80-85), 2%: [75-80), 1%: [70-75), 0%: <70.



Grading: A: [90 – 100]%, B: [80-90)%, C: [70-80)%, D: [60-70)%, F: < 60%.

Exams: Test 1: (Tentative) September, 21st in class.

Test 2: (Tentative) October, 21st in class.

Test 3: (Tentative) November, 23rd in class.

Final Exam: Friday, December 11, 8pm-10pm, Math-123.

- **Students of CSCI-5401 will have additional and advanced questions to answer in the Test/HW/Assignments/Exam compared to the student of CSCI-4401.**

Due Dates: Every assignment handed out will be clearly marked with a due date. You are responsible for handing in your assignment on time. Late submissions will be assessed at the following rates: 80% for 1-48 hours late, 60% for 49-96 hours late, 40% for 97-144 hours late, 20% for 145-168 hours late. Assignments that are more than a week late will receive no credit.

Attendance: Your attendance at class is required and essential for you to meet course requirements. Attendance will be taken at the beginning of each class. Absence from class will negatively affect your performance in the course.

Objectives: After successfully completing this course, students will be able to:

- Understand the requirement and importance of an operating systems
- Understand and explain fundamental concepts of operating systems
- Design (at least abstract level) OS for any specific hardware
- Program and modify a variety of operating system components
- **5401 students must understand and implement assignments in parallel environment.**

Special Needs:

It is university policy to provide, on a flexible and individualized basis, reasonable accommodations to students who have disabilities that may affect their ability to participate in course activities or to meet course requirements. Students who seek accommodations for disabilities must contact the Office of Disability Services prior to discussing their individual needs for accommodation with their instructors.

Integrity: All submitted work must be exclusively your own. Cheating is:

- ✓ Copying (in whole or in part) the solutions of former students, current students, or any other human being (alive or dead). “Copying” includes transmission through email, the Internet, smoke signals, or by any other means.
- ✓ Obtaining solutions from the Internet or other archival sources.

Discussing assignments at a high level for clarification, discussing problems concerning the computing equipment, and studying in groups for examinations is not cheating, but every word you type for programming and written assignments must be your own!

Students are expected to conduct themselves according to the principles of academic integrity as defined in the statement on Academic Dishonesty in the UNO Student Code of Conduct. Any student or group found to have committed an act of academic dishonesty shall have their case turned over to the Office of Student Accountability and Advocacy for disciplinary action, which may result in penalties as severe as indefinite suspension from the University. Academic dishonesty includes, but is not limited to: cheating, plagiarism, fabrication, or misrepresentation, and being an accessory to an act of academic dishonesty.

Conduct: Please be respectful of your classmates and refrain from disruptive activities in the classroom. Come to class on time. Turn off cell phones in the classroom. If you use a laptop or other electronic device to take notes, you must keep keyboard noise to a minimum. If you can't type silently then you should use paper and pencil. Your cooperation is appreciated.

Moodle: Essential course material (including this syllabus) will be posted to the course page on Moodle (<http://www.uno.edu/moodle>). Important notices will occasionally be transmitted through Moodle's email feature. Please ensure that you can access your uno.edu email.

Preparation: This is an upper-level computer science course. You are expected to be:

- A proficient programmer, who knows Java (CSCI 1583/2120) or, any programming language
- Mathematically mature (Discrete Math, Data Structures, Algorithms)
- Familiar with computer organization and architecture (CSCI 2450).

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